

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5723	((438/149) or (438/151) or (438/197) or (438/311) or (438/479) or (438/517) or (438/800) or (438/909)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/04 19:18
S2	3	S1 and (("ATM" or "760 torr" or (atmospheric adj pressure)) near10 (vacuum or (low adj pressure) or ("not greater" near2 ("ATM" or "760 torr" or (atmospheric adj pressure)))) same (deposit\$3 near2 (chamber\$1 or apparatus\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 17:35
S3	398	((("ATM" or "760 torr" or (atmospheric adj pressure)) near10 (vacuum or (low adj pressure) or ("not greater" near2 ("ATM" or "760 torr" or (atmospheric adj pressure)))) same (deposit\$3 near2 (chamber\$1 or apparatus\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:11
S4	170	S3 and (heat\$3 near5 (chamber\$1 or apparatus\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 17:37
S5	82	S4 and (time near2 (requir\$3 or interval\$1 or period\$1 or range\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:11
S6	33	S5 and @ad<"20010109"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 17:40

## EAST Search History

S7	31	((("ATM" or "760 torr" or (atmospheric adj pressure)) near10 (vacuum or (low adj pressure) or ("not greater" near2 ("ATM" or "760 torr" or (atmospheric adj pressure)))) same (deposit\$3 near2 (chamber\$1 or apparatus\$1)) same (heat\$3 near2 (chamber\$1 or apparatus\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:15
S8	13	S7 and (time near2 (requir\$3 or interval\$1 or period\$1 or range\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:15
S9	32	((("ATM" or "760 torr" or (atmospheric adj pressure)) near10 (vacuum or (low adj pressure) or ("not greater" or below) near2 ("ATM" or "760 torr" or (atmospheric adj pressure)))) same (deposit\$3 near2 (chamber\$1 or apparatus\$1)) same (heat\$3 near2 (chamber\$1 or apparatus\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:21
S10	13	S9 and (time near2 (requir\$3 or interval\$1 or period\$1 or range\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:16
S11	269910	(heat\$3 near2 (chamber\$1 or apparatus\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:20
S12	975	((heat\$3 adj inside) near2 (chamber\$1 or apparatus\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:20

## EAST Search History

S13	1	S12 same (("ATM" or "760 torr" or (atmospheric adj pressure)) near10 (vacuum or (low adj pressure) or (("not greater" or below) near2 ("ATM" or "760 torr" or (atmospheric adj pressure)))) same (deposit\$3 near2 (chamber\$1 or apparatus\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:22
S14	2	S12 and (("ATM" or "760 torr" or (atmospheric adj pressure)) near10 (vacuum or (low adj pressure) or (("not greater" or below) near2 ("ATM" or "760 torr" or (atmospheric adj pressure)))) same (deposit\$3 near2 (chamber\$1 or apparatus\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:23
S15	2	S12 and (("ATM" or "760 torr" or (atmospheric adj pressure)) and (vacuum or (low adj pressure) or (("not greater" or below) near2 ("ATM" or "760 torr" or (atmospheric adj pressure)))) same (deposit\$3 near2 (chamber\$1 or apparatus\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:26
S16	37	S12 and (("ATM" or "760 torr" or (atmospheric adj pressure)) near10 (vacuum or (low adj pressure) or (("not greater" or below) near2 ("ATM" or "760 torr" or (atmospheric adj pressure))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:40
S17	15	S12 same ("ATM" or "760 torr" or (atmospheric adj pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 19:21
S18	124	S12 same (vacuum or (low adj pressure) or (("not greater" or below) near2 ("ATM" or "760 torr" or (atmospheric adj pressure))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:43
S19	4	S17 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/30 18:43

## EAST Search History

S20	5836	((438/149) or (438/151) or (438/197) or (438/311) or (438/479) or (438/517) or (438/800) or (438/909)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/04 19:18
S21	56	S20 and (("ATM" or "760 torr" or (atmospheric adj pressure)) same (((heat\$3 or anneal\$ or (increas\$3 near2 temperature\$1)))) with (chamber\$1 or apparatus\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 19:54
S22	32369	((deposition or (film adj forming) or ("CVD" or (chemical adj vapor adj deposition))) with (chamber\$1 or apparatus\$2 or reactor\$1)) same (heat\$3 or anneal\$ or (increas\$3 near2 temperature\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 09:23
S23	6220	S22 and ("ATM" or "760 torr" or (atmospheric adj pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 20:00
S24	4715	S23 and (vacuum or (below near2 ("ATM" or "760 torr" or (atmospheric adj pressure))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 09:19
S25	4395	S24 and (tim\$3 or duration or (time near2 period\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 10:39
S26	4395	S24 and (tim\$3 or duration or (time near2 period\$1) or (time near2 sequence))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 20:08
S27	613	S26 and (deposit\$3 with (("Si" or silicon) and (dopant\$1 or impurit\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 09:24

## EAST Search History

S28	510	S27 and @ad<"20030801"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 09:29
S29	114211	("ATM" or "760 torr" or (atmospheric adj pressure)) same (vacuum\$1 or ((below or reduc\$3 or decreas\$3) near10 ("ATM" or "760 torr" or (atmospheric adj pressure))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:50
S30	32380	((deposition or (film adj forming) or ("CVD" or (chemical adj vapor adj deposition))) with (chamber\$1 or apparatus\$2 or reactor\$1)) same (heat\$3 or anneal\$ or (increas\$3 near2 temperature\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 09:24
S31	2752	S29 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 09:24
S32	380	S31 and (deposit\$3 with (("Si" or silicon) and (dopant\$1 or impurit\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 10:24
S33	321	S32 and @ad<"20030801"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 10:04
S34	52	S33 and ("APCVD" or (atmospheric adj pressure adj ("CVD" or (chemical adj vapor adj deposition))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 10:05
S35	162	("APCVD" or (atmospheric adj pressure adj ("CVD" or (chemical adj vapor adj deposition)))) and (deposit\$3 with (("Si" or silicon) same dopant\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 10:40

## EAST Search History

S36	39	S35 and ("ATM" or "760 torr" or (atmospheric adj pressure)) same (vacuum\$1 or ((below or reduc\$3 or decreas\$3) near10 ("ATM" or "760 torr" or (atmospheric adj pressure))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 10:33
S37	43	("ATM" or "760 torr" or (atmospheric adj pressure)) same (deposit\$3 with (("Si" or silicon) same dopant\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 10:49
S38	7	((("ATM" or "760 torr" or (atmospheric adj pressure)) with (chamber\$1 or apparatus\$2 or reactor\$1)) same (deposit\$3 with (("Si" or silicon) near10 dopant\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:00
S39	74158	((("ATM" or "760 torr" or (atmospheric adj pressure)) with (chamber\$1 or apparatus\$2 or reactor\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:22
S40	175	S39 and (deposit\$3 with (("Si" or silicon) with dopant\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:54
S41	137	((("ATM" or "760 torr" or (atmospheric adj pressure)) with (chamber\$1 or apparatus\$2 or reactor\$1)) with ((prior or before or pre) near5 (deposit\$3 or form\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:32
S42	0	S41 and (deposit\$3 with (("Si" or silicon) with dopant\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:24
S43	9	(heat\$3 or ((increas\$3 or elevat\$3) adj temperature\$1)) near10 (deposit\$3 adj (chamber\$1 or apparatus\$2 or reactor\$10)) same ("ATM" or "760 torr" or (atmospheric adj pressure)) same ((prior or before) near10 (deposit\$3 or (film adj form\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:44

## EAST Search History

S44	318	(heat\$3 or ((increas\$3 or elevat\$3) adj temperature\$1)) near10 (deposit\$3 adj (chamber\$1 or apparatus\$2 or reactor\$10)) same ((prior or before) near10 (deposit\$3 or (film adj form\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:47
S45	10	S44 and (deposit\$3 with (("Si" or silicon) with dopant\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:45
S46	5719	((heat\$3 or ((increas\$3 or elevat\$3) adj temperature\$1)) or ((pre adj treat\$3) with heat\$3)) with (deposit\$3 adj (chamber\$1 or apparatus\$2 or reactor\$10))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:49
S47	407	((heat\$3 or ((increas\$3 or elevat\$3) adj temperature\$1)) or ((pre adj treat\$3) with heat\$3)) with (deposit\$3 adj (chamber\$1 or apparatus\$2 or reactor\$10)) same ((prior or before) near10 (deposit\$3 or (film adj form\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:52
S48	106	S47 and ("ATM" or "760 torr" or (atmospheric adj pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:58
S49	5719	((heat\$3 or ((increas\$3 or elevat\$3) adj temperature\$1)) or ((pre adj treat\$3) with heat\$3) or (clean\$3 with heat\$3)) with (deposit\$3 adj (chamber\$1 or apparatus\$2 or reactor\$10))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:57
S50	1087	S49 and ("ATM" or "760 torr" or (atmospheric adj pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:53
S51	65	S50 and (deposit\$3 with (("Si" or silicon) with dopant\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 11:54

## EAST Search History

S52	226	((pre adj treat\$3) with heat\$3) or (clean\$3 with heat\$3)) with (deposit\$3 adj (chamber\$1 or apparatus\$2 or reactor\$10))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 12:04
S53	52	S52 and ("ATM" or "760 torr" or (atmospheric adj pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 12:05
S54	119	((pre adj treat\$3) with heat\$3) or (clean\$3 with heat\$3)) near10 (deposit\$3 adj (chamber\$1 or apparatus\$2 or reactor\$10))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 10:35
S55	29	S54 and ("ATM" or "760 torr" or (atmospheric adj pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 10:42
S56	2	("4816113"   "5505779").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/05 12:06
S57	3	("6176932").URPN.	USPAT	OR	OFF	2006/03/05 12:09
S58	4400	((pre adj treat\$4) with heat\$3) or (clean\$3 with heat\$3) or (treat\$4 with heat\$3) or heat\$3) near10 (deposit\$3 adj (chamber\$1 or apparatus\$2 or reactor\$10))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 10:38
S59	2990	S58 and (tim\$3 or duration or (time near2 period\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 10:39
S60	729	S58 same (tim\$3 or duration or (time near2 period\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 10:40



## EAST Search History

S61	188	S60 and ("1 ATM" or "760 torr" or (atmospheric adj pressure) or "1.013x10.sub.5 Pa")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 10:44
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